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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
ATTY. DOCKET NO. 85934-32



Patent Application of Shude ZHANG

Serial No. 10/025,615

Group Art Unit: 2641

Filed: December 26, 2001

Examiner:

For: **METHOD AND APPARATUS FOR IMPROVED VOICE ACTIVITY
DETECTION IN A PACKET VOICE NETWORK**

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INFORMATION DISCLOSURE STATEMENT

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This Information Disclosure Statement is being filed in the manner prescribed by 37 CFR 1.97(b) - (d) to satisfy the duty under 37 CFR 1.56 to disclose to the Office information, known to individuals associated with the filing and prosecution of the subject application, which is material to the examination of the application.

In accordance with 37 CFR 1.97(g) and (h), this statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 CFR 1.56(b).

This information disclosure statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first official action on the merits and therefore applicant respectfully requests consideration under 37 CFR 1.97(b).

SA

In compliance with 37 CFR 1.98(a)(1), a list of all patents, publications or other information submitted for consideration by the Office is hereby provided by way of the attached Form PTO 1449.

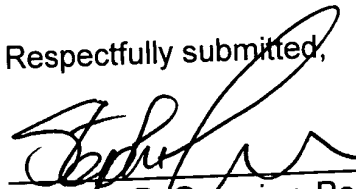
In compliance with 37 CFR 1.98(a)(2), also enclosed is a legible copy of:

- i) each United States and foreign patent;
- ii) each publication or that portion which caused it to be listed; and
- iii) all other information or that portion which caused it to be listed, excluding any copies of a United States patent application.

It is respectfully requested that the information be expressly considered by the Examiner and that the references be made of record and appear among the "References Cited" on any patent to issue therefrom.

The Patent Office is hereby authorized to charge any deficiency, or credit any overpayment in fees to Deposit Account Number 9-2550.

Respectfully submitted,



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March 19, 2002

Encls: Form PTO-1449
All references listed on Form PTO-1449
Acknowledgement Card

(Use several sheets if necessary)

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A circular stamp from the Intellectual Property Office. The text "INTELLECTUAL PROPERTY OFFICE" is written around the top inner edge of the circle. In the center, the date "MAR 20 2002" is stamped. The word "PATENT" is visible at the bottom left, and "TRADE MARK" is partially visible at the bottom right.

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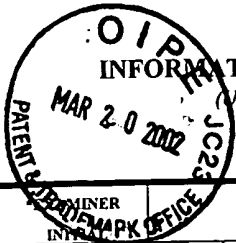
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[illegible]

1.	Carleton University, Report on Voice Activity Detection for Packet Voice Transport; Dr. W.P. LeBlanc and Dr. S.A. Mahmoud, December 15, 1997;
2.	International Telecommunication Union, ITU-T G.728 - Annex G, 11/94; Annex G:16 kbit/s fixed point specification;

DATE CONSIDERED

SHEET 1 OF 2



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

85934-32

Application Number

10/025,615

Applicant(s)

Shude ZHANG

Filing Date

December 26, 2001

Group Art Unit

2641

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

3.

International Telecommunication Union; ITU-T, G.723.1, Annex A; 11/96;
Annex A: Silence compression scheme;

4.

International Telecommunication Union CCITT, G.728, 09/92;
Coding of Speech at 16 kbit/s using low-delay code excited linear prediction;

5.

ETSI EN 300 973 V7.0.1 (2000-01);
Digital cellular telecommunications system (Phase 2+); Half rate speech; Voice Activity Detector (VAD) for half rate speech
traffic channels (GSM 06.42 version 7.0.1 Release 1998).RECEIVED
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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.